

**ABSTRACT**

The invention relates to viral delivery systems and methods for infecting cells with viruses. The viral delivery systems may be cryogenically preserved and they may be  
5 used in the manufacture of vaccines, polypeptides, and polynucleotides. The invention includes a cryogenically protected viral delivery system for infecting host cells that comprises a cryogenic vessel and a plurality of virally infected cells in admixture with a cryo-protective agent contained in the cryogenic vessel.